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PATENT

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Steven J. Wietrzyk, Reg. No. 44,462

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ronald A. Modesto, et al.
Application No.: 09/652,197
Filed: August 31, 2000
For: AUTO-CORRECTING PART MEASUREMENT SYSTEM
Examiner: Tung S. Lau
Group Art Unit: 2863
Confirmation No.: 4226
Atty. Docket: 00AB143

RESPONSE TO ADVISORY ACTION

MS AF
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to Advisory Action mailed on October 16, 2003, which is subsequent to applicants' response to the final Office action mailed on July 22, 2003, please enter into the record of the above application the following amendment.

1. Pages 2-7 contain claim amendments.
2. Pages 8 and 9 contain remarks.

Pls enter the
amend
11/29/04

In The Claims:

Please amend claims 15 and 16 and cancel claims 1, 4, 5, 11, 22, 25 and 26 so that the pending claim set reads accordingly:

--1. (canceled)

2-3. (previously canceled)

4-5. (canceled)

6. (previously canceled)

7. (previously amended) A part measurement system comprising:

a press machine including a lower die coupled to an upper die, wherein the lower die includes a top surface supporting a strip of material to be formed into a part after a stripper plate coupled to the upper die contacts the strip of material;

a part measurement sensor located in the lower die, wherein the sensor measures a critical dimension of the part while the part is in the lower die;

a part forming rail coupled to the lower die, wherein the forming rail and the upper die form the critical dimension of the part; and

a press controller coupled to the press machine and the sensor, wherein the controller processes a measurement signal from the part measurement sensor of the critical dimension of the part, compares the measurement signal to a predetermined threshold value, and generates a command signal to the press machine to adjust the forming rail based on the measurement signal;

wherein the forming rail is coupled to a servo controllable by the press controller to change the height of the forming rail based on the measurement from the sensor of the critical dimension of the part and further wherein the upper die includes a knocker that contacts the forming rail to form the critical dimension of the part;